

Serial No. 10/037,588

LISTING OF THE CLAIMS

1           1. (Previously Amended) A method for performing call  
2 classification for a destination endpoint on a call, comprising the  
3 steps of:  
4           receiving audio information from the destination  
5 endpoint;  
6           analyzing using automatic speech recognition analysis  
7 calculations the received audio information for words;  
8           analyzing using the automatic speech recognition  
9 analysis calculations the received audio information for; and  
10           determining a call classification for the destination  
11 endpoint in response to the analysis of the words and the  
12 analysis of the tones.

1           2. (Canceled).

1           3. (Canceled).

1           4. (Previously Amended) The method of claim 1  
2 wherein the analysis for tones is analyzing the audio  
3 information for identifying a set of tones.

1           5. (Canceled)

1           6. (Previously Amended) The method of claim 1  
2 wherein the step of analyzing for words is responsive to the

Serial No. 10/037,588

3 audio information to enable the step of executing a Hidden  
4 Markov Model to determine the presence of words in the audio  
5 information.

1 7. (Original) The method of claim 6 wherein the step  
2 of executing comprises the step of using a grammar for speech.

1 8. (Previously Amended) The method of claim 6  
2 wherein the step of analyzing for tones is responsive to the  
3 audio information to enable the step of executing a Hidden  
4 Markov Model to determine the presence of tones in the audio  
5 information.

1 9. (Original) The method of claim 8 wherein the step  
2 of executing comprises the step of using a grammar for tones.

1 10. (Original) The method of claim 8 wherein the step  
2 of determining comprises the step of executing an inference  
3 engine.

1 11. (Currently Amended) A method for performing call  
2 classification for a destination endpoint on a call, comprising the  
3 steps of:

4 receiving audio information from the destination  
5 endpoint;

6 detecting for speech in received audio information;

Serial No. 10/037,588

7 analyzing using automatic speech recognition the  
8 received audio information for words in response to the  
9 detection of speech indicating a presence of speech;  
10 analyzing using automatic speech recognition the  
11 received audio information for tones in response to the  
12 ~~detection of speech indicating an absence of~~ no speech being  
13 detected; and  
14 determining a call classification for the destination  
15 endpoint in response to the analysis of words or the analysis of  
16 tones.

1 12. (Original) The method of claim 11 wherein the  
2 step of analyzing for speech comprises the step of executing a  
3 Hidden Markov Model to determine the presence of words in  
4 the audio information.

1 13. (Original) The method of claim 12 wherein the  
2 step of executing comprises the step of using a grammar for  
3 speech.

1 14. (Original) The method of claim 12 wherein the  
2 step of analyzing for tones comprises the step of executing a  
3 Hidden Markov Model to determine the presence of tones in the  
4 audio information.

Serial No. 10/037,588

1           15. (Original) The method of claim 14 wherein the  
2 step of executing comprises the step of using a grammar for  
3 tones.

1           16. (Original) The method of claim 15 wherein the  
2 step of determining comprises the step of executing an  
3 inference engine.

1           17. (Previously Amended) A method for performing  
2 call classification by an automatic speech recognition unit to a  
3 destination endpoint on a call, comprising the steps of:  
4           receiving audio information from the destination  
5 endpoint by the automatic speech recognition unit;  
6           analyzing using automatic speech recognition analysis  
7 calculations the received audio information for words by the  
8 automatic speech recognition unit;  
9           analyzing using the automatic speech recognition  
10 analysis calculations the received audio information for tones  
11 by the recognition unit; and  
12           determining a call classification for the destination  
13 endpoint in response to the analysis for words and the analysis  
14 for tones by the automatic speech recognition unit.

1           18. (Canceled).

Serial No. 10/037,588

1 19. (Currently Amended) The method of claim 17 48  
2 wherein the analyzed words are formed as phrases.

1 20. (Withdrawn)

1 21. (Canceled).

1 22. (Previously Amended) The method of claim 17  
2 wherein the step of analyzing for words is responsive to the  
3 audio information to enable the step of executing a Hidden  
4 Markov Model to determine the presence of words in the audio  
5 information.

1 23. (Original) The method of claim 22 wherein the  
2 step of executing comprises the step of using a grammar for  
3 speech.

1 24. (Previously Amended) The method of claim 22  
2 wherein the step of analyzing for words is responsive to the  
3 audio information to enable the step of executing a Hidden  
4 Markov Model to determine the presence of tones in the audio  
5 information.

1 25. (Original) The method of claim 24 wherein the  
2 step of executing comprises the step of using a grammar for  
3 tones.

Serial No. 10/037,588

1           26. (Original) The method of claim 24 wherein the  
2   step of determining comprises the step of executing an  
3   inference engine.

1           27. (Previously Amended) A call classifier for  
2   determining the call classification of a called destination  
3   endpoint, comprising:  
4           an automatic speech recognizer for identifying words  
5   in audio information received from the called destination  
6   endpoint;  
7           the automatic speech recognizer further identifying  
8   tones in the audio information received from the called  
9   destination endpoint; and  
10          inference engine for classifying the call in response to  
11   the automatic speech recognizer.

1           28. (Canceled).

1           29. (Previously Amended) The call classifier of claim 27  
2   wherein the words are formed into phrases.

1           30. (Withdrawn)

1           31. (Previously Presented) The call classifier of claim  
2   27 wherein the automatic speech recognizer is executing a  
3   Hidden Markov Model.